



# ILLUSTRATED PARTS BREAKDOWN

## DECsystem 5100

### HOW TO USE THE IPB

#### GENERAL

This IPB is compiled following the organization and nomenclature of the engineering drawing structure

#### MAJOR ASSEMBLY LOCATOR (When Applicable)

The Major Assembly Locator (first illustration) is an index that provides a description and a figure reference for all illustrations used in this manual

#### INDENTED PARTS LIST

This manual identifies each assembly being broken down (figure reference callout) and all parts of that assembly. Further breakdown of an assembly is shown by an asterisk (\*) preceding the item callouts in the Description Column. The number of asterisks preceding an item is used to denote the subordination of that item with respect to the Major Assembly. A single asterisk preceding an item description indicates that the item is part of the major assembly being illustrated. Items that are subordinate to single asterisks items, are denoted by two asterisks (\*\*) and immediately follow the related single asterisk item. This system of part identification provides a means for the user to identify the next higher assembly item and make alternate selections for parts when the required replacement part of assembly is not immediately available

#### COLUMN CALLOUT DESCRIPTION

**Figure and Item** - Indicates the figure number and item number of each part

**Description** - Lists the name of the part and pertinent specifications (when required). Asterisks preceding the description denote the subordination of the part to the next higher assembly

**DEC Part No.** - Lists the Digital part ordering number. A blank in this column indicates a Digital part number was not assigned at the time of publication

**ECO Cut-In** - The notation at the top of this column indicates the ECO level of the system (option) at which the IPB was initially prepared. Subsequent ECO level designations that modify existing parts or add new parts to the device, are inserted in the ECO Cut-In column next to the part that is added or modified

**Used On Code** - Letters in this column correspond to the variation codes assigned in Figure 1. Parts with an Alpha notation(s) are used only in those option variations. A blank indicates that the part is used on all option variations.

**Ref Fig No.** - A cross reference between illustrations. For each Major Assembly, the number in this column denotes the figure of the next higher assembly. For all subassemblies, the number in this column denotes the figure showing additional detailed breakdown.

#### PART NUMBER PART DESCRIPTION INDEX SECTION

Parts are indexed both numerically and alphabetically by description, referenced to a location within the IPB by figure number and item number

### REVISION HISTORY

PRINTING	ECO LEVEL			DATE	OTHER IPB MANUALS REFERENCED
1st Printing	230ZM	00000-00000		26-NOV-90	
	70-26167	00000-00000			
	70-27102	00000-00000			
	70-27103	00000-00000			
	70-27105	00000-00000			
	DHT80	00000-00000			

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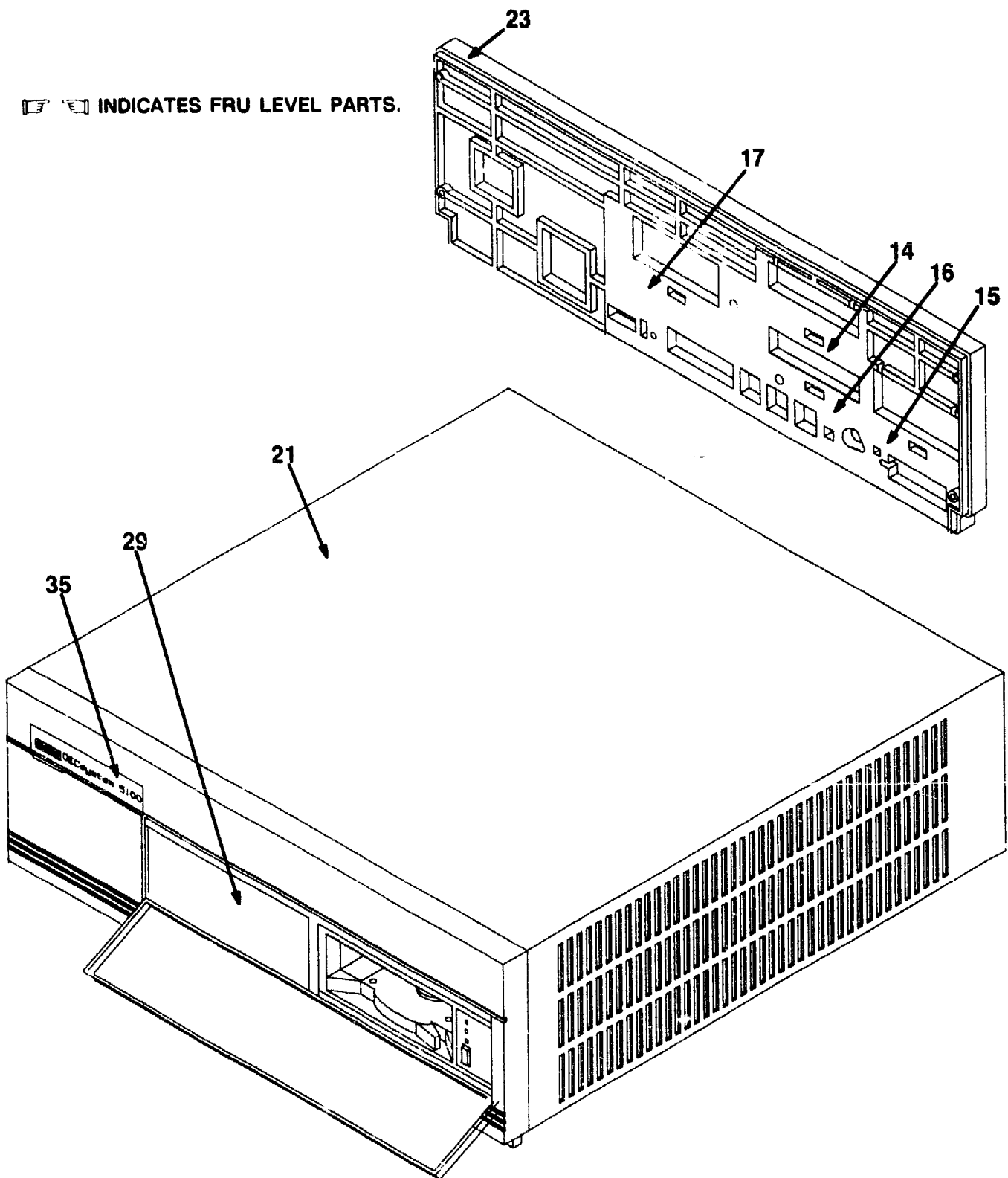
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INDICATES FRU LEVEL PARTS.

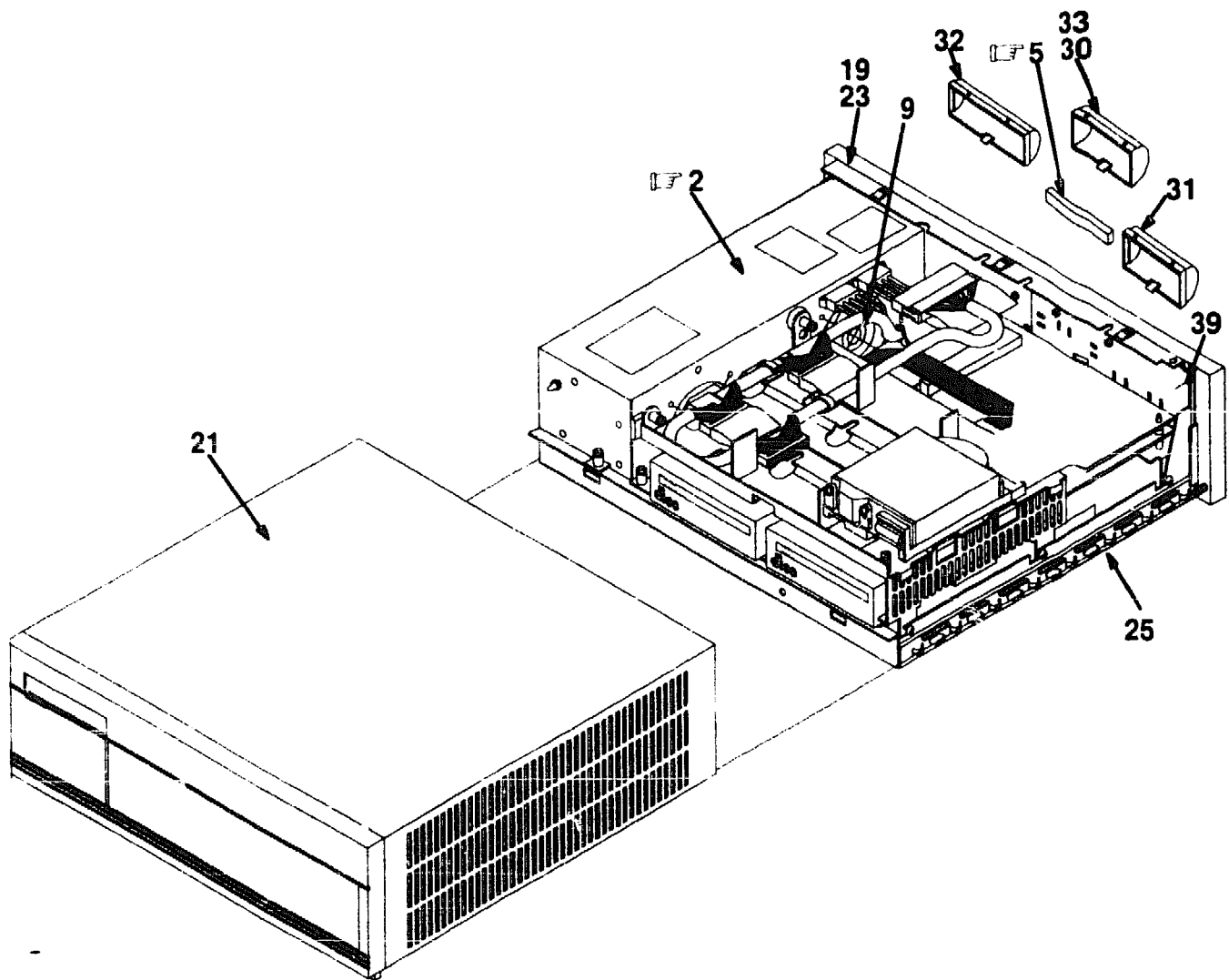


5100-01-IL

Figure 1. DECsystem 5100 (Sheet 1 of 6)

PARTS LIST

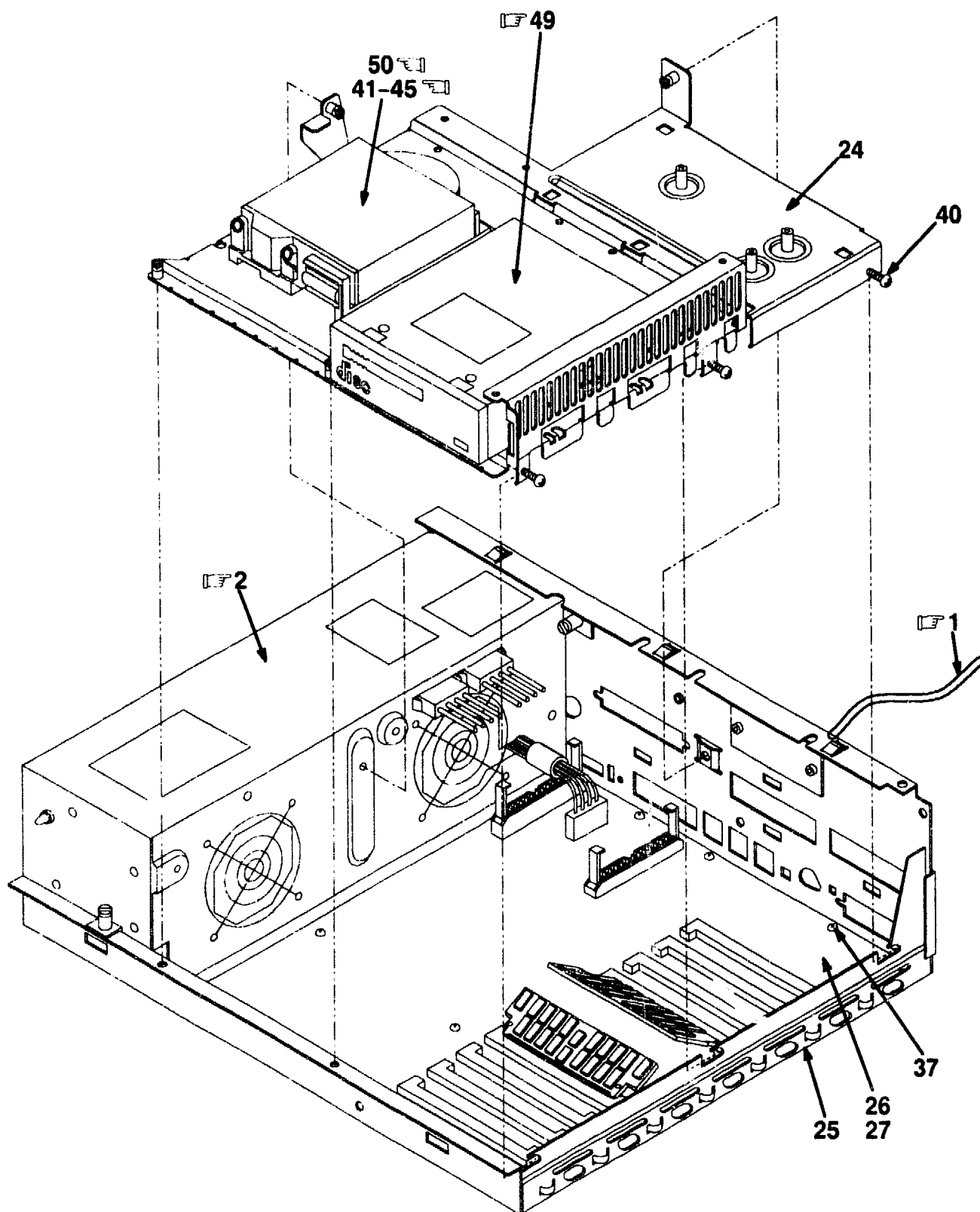
⌈ ⌋ INDICATES FRU LEVEL PARTS.



5100-01A-IL

Figure 1. DECsystem 5100 (Sheet 2 of 6)

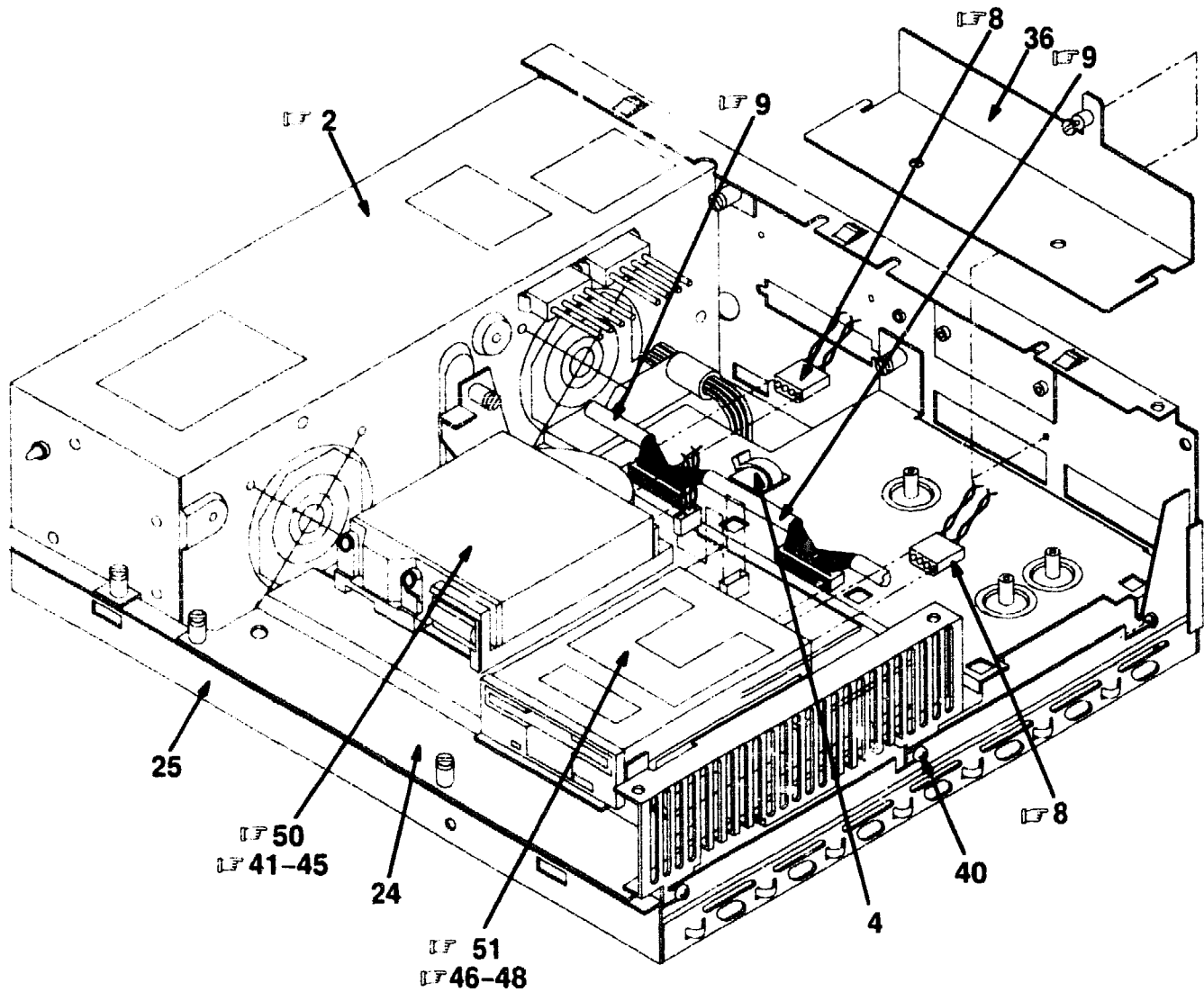
INDICATES FRU LEVEL PARTS.



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Figure 1. DECsystem 5100 (Sheet 3 of 6)

⌈F 9⌋ INDICATES FRU LEVEL PARTS.

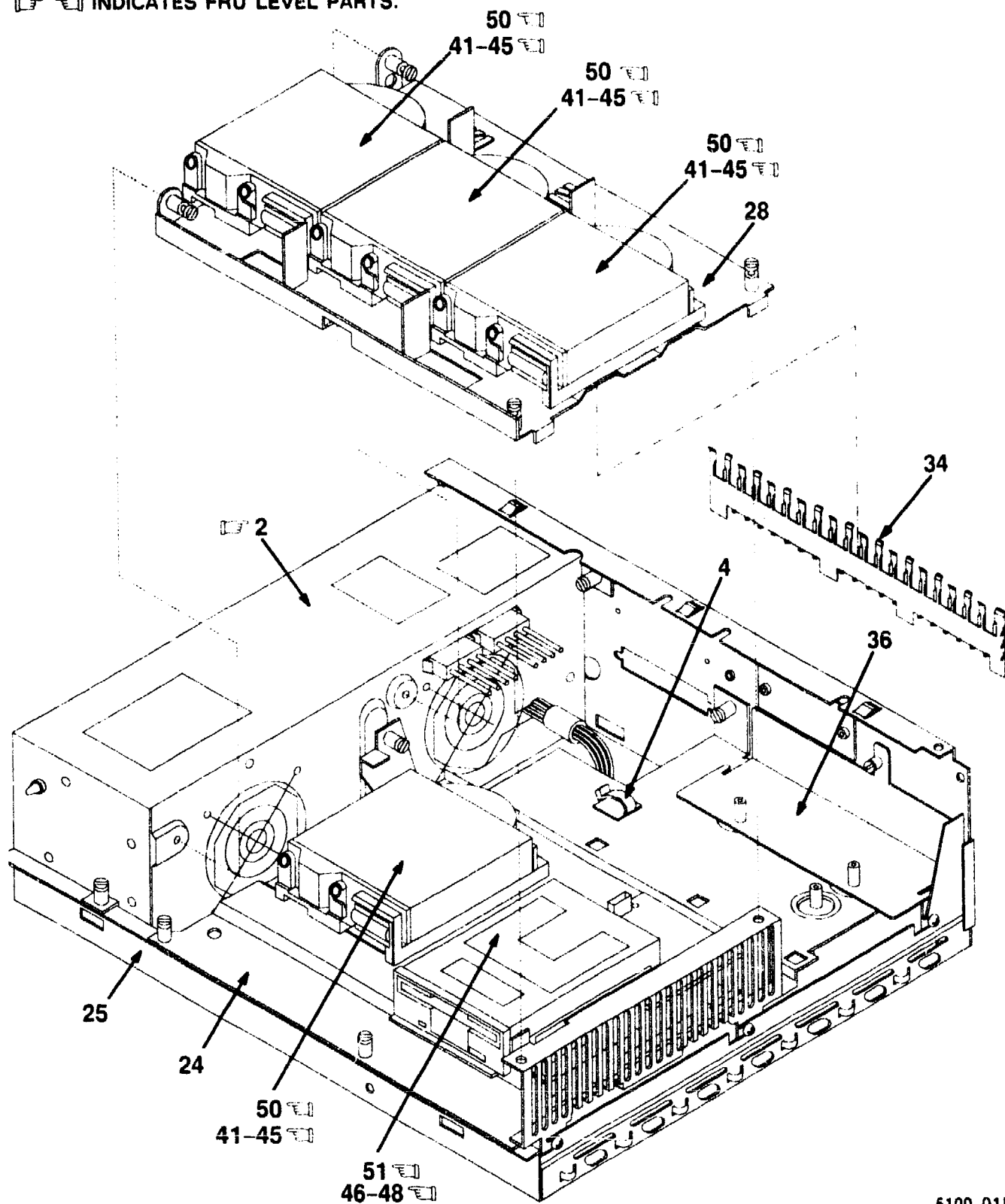


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Figure 1. DECsystem 5100 (Sheet 4 of 6)

PARTS LIST

INDICATES FRU LEVEL PARTS.



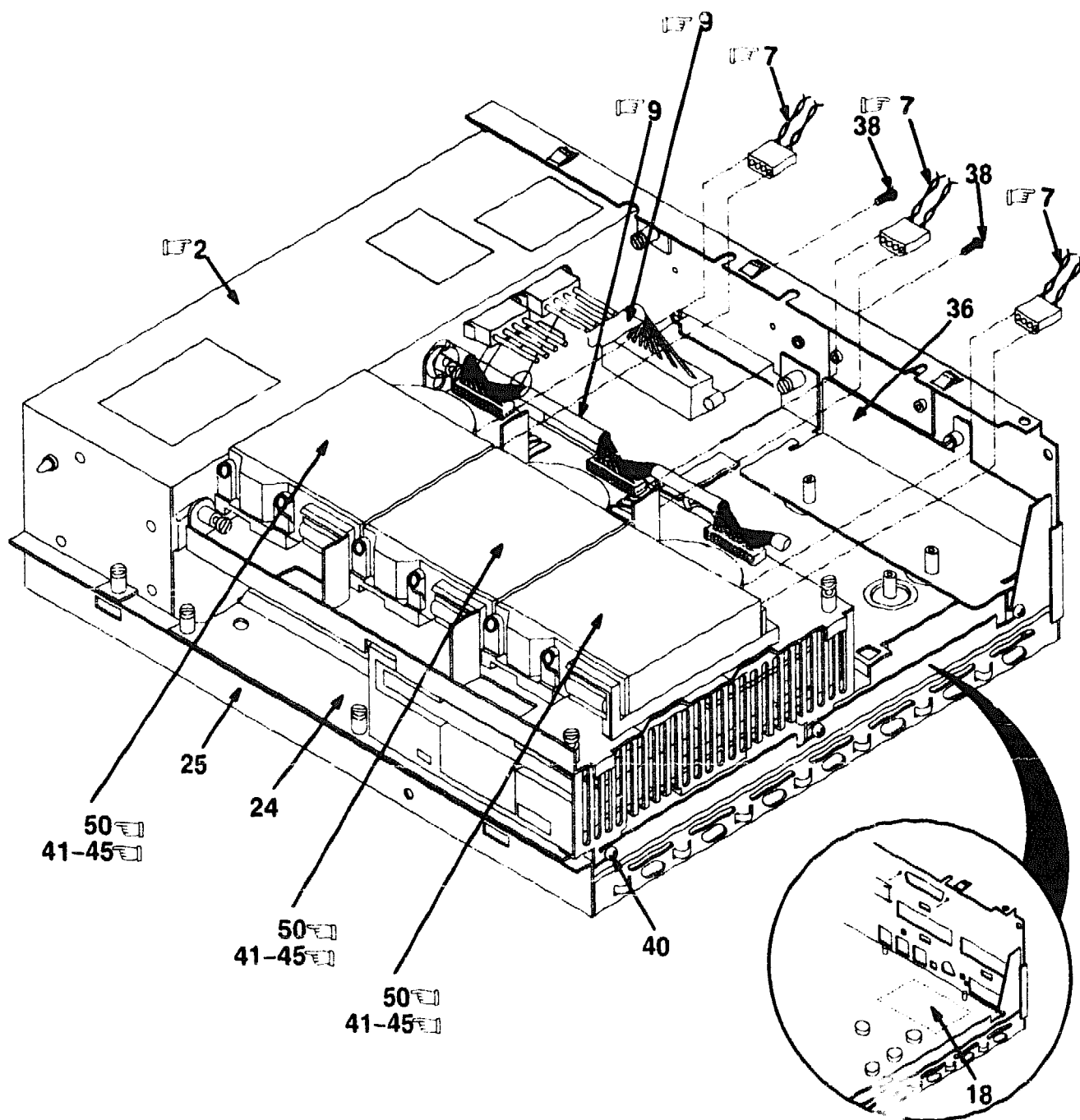
5100-01D-IL

Figure 1. DECsystem 5100 (Sheet 5 of 6)

PARTS LIST



INDICATES FRU LEVEL PARTS.



5100-01E-IL

Figure 1. DECsystem 5100 (Sheet 6 of 6)

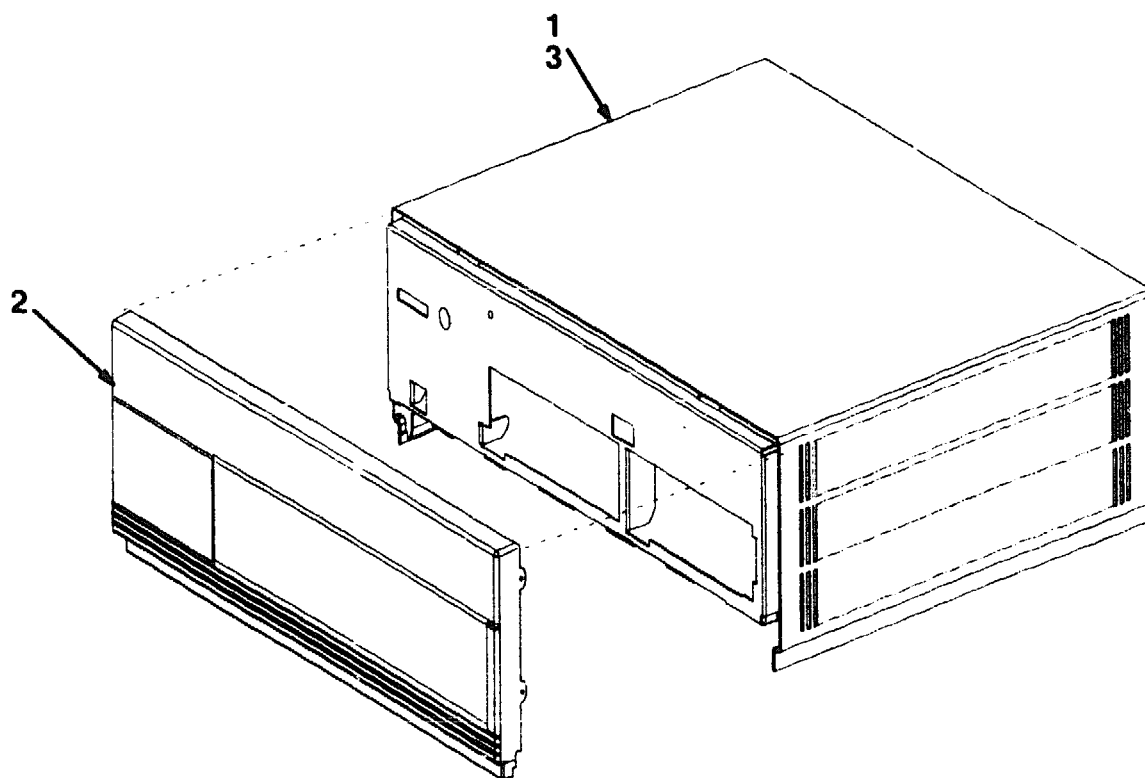
PARTS LIST

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 230ZM 00000	USED ON CODE	REF FIG NO.
1-	DECsystem 5100				
	Code A - Used on 230ZM-A9 (32MB)	230ZM-A9		A	
	Code B - Used on 230ZM-B9 (8MB)	230ZM-B9		B	
1	*Cable Assembly, 25 ft. 6 Cond Oval Data	BC16E-25			
2	*Power Supply, PV. Server 120/240, 5.1V 13A	H7822-00			
3	*Connector, 25 Pin Passive Adapter (Not Shown)	H8575-A			
4	*Clip, Wire	12-21249-06			
5	*Terminator, SCSI Term 50 Position (H8574-A)	12-30552-01			
6	*Power Cord (Not Shown)	17-00806-02			
7	*Harness Assembly, Wire	17-02219-01			
8	*Cable Assembly, 04 Cond, Round	17-02464-01			
9	*Cable Assembly, 50 Cond, Round	17-02907-01			
10	*Label, "Attention Preinstalled Software" (Not Shown)	36-28979-01			
11	*Label, "Postcard FTZ" (Not Shown)	36-30422-10			
12	*Label, "Diagnostic" (Not Shown)	36-30489-01			
13	*Label, "SCSI" (Not Shown)	36-30704-02			
14	*Label, "PTT"	36-33714-01			
15	*Label, "Connector MMJ4-7"	36-33715-01			
16	*Label, "Connector MMJ8-10"	36-33716-01			
17	*Label, "Prod ID"	36-33717-01			
18	*Label, "Regulatory UK"	36-33719-02			
19	*Label, "Rear Bezel Blank"	36-33806-01			
20	*Package Assembly (Not Shown)	37-01106-01			
21	*COVER ASSEMBLY	70-26167-01			2
22	*Kit, Thk/Thin Wire Ethernet (Not Shown)	70-26209-01			
23	*Bezel Assembly, Rear	70-27095-01			
24	*SHELF ASSEMBLY, DRIVE	70-27102-01			3
25	*ENCLOSURE ASSEMBLY, BASE	70-27103-01			4
26	*CPU ASSEMBLY, 8MB	70-27105-01		A	5
27	*CPU ASSEMBLY, 32MB	70-27105-02		B	5
28	*Shelf, Upper Drive	74-37702-01			
29	*Insert, Bezel	74-38027-01			
30	*Cover, Dual Synch	74-38973-01			
31	*Cover, Synch/Asynch	74-38974-01			
32	*Cover, Ext SCSI	74-38975-01			
33	*Cover, Synch	74-38986-01			

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO. <sup>A</sup>	ECO CUT-IN 230ZM 00000	USED ON CODE	REF FIG NO.
1-					
34	*Partition, Lower Drive Plate	74-42127-01			
35	*Medallion, DECsystem 5100	74-41556-01			
36	*Shield, Asynch Port	74-41590-01			
37	*Screw, Phi Pan Hd No. 6-32 x 1/4	90-00038-19			
38	*Screw, Sems Phi Pan Hd No. 4-40 x 3/8	90-09643-00			
39	*Screw, Phi Pan Hd No. 4-40 x 1/4	90-09800-07			
40	*Screw, Sems Phi Pan Hd No. 6-32 x 5/16	90-09984-07			
	The Following Disk Drives Are Shown For Reference Only, Not Part Of This Assembly.				
41	Disk Drive, RZ23	RZ23-E			
42	Module, RZ23 Drive	29-27240-01			
43	Disk Drive, RZ24	N/A			
44	HDA Assembly, RZ24	29-28145-01			
45	Module, RZ24 Drive	29-28144-01			
46	Disk Drive, RX23	RX23-AA			
47	Module, RX23 FDI	54-19288-01			
48	Cable Assembly, Ribbon	17-02221-02			
49	Drive, RRD42 CD Rom	RRD42-AA			
50	Tape Drive, TZK10 (QIC)	TZK10-AA			
51	Tape Drive, TZ30	TZ30-AX			

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO. <sup>A</sup>	ECO CUT-IN 70-26167 00000	USED ON CODE	REF FIG NO.
2-	COVER ASSEMBLY	70-26167-01			1
1	*Weldment, Cover	70-26169-01			
2	*Bezel Assembly, Front	70-26168-01			
3	*Screw, Phl Flat Hd No. 4-40 x 3/16	90-10411-01			

  INDICATES FRU LEVEL PARTS.

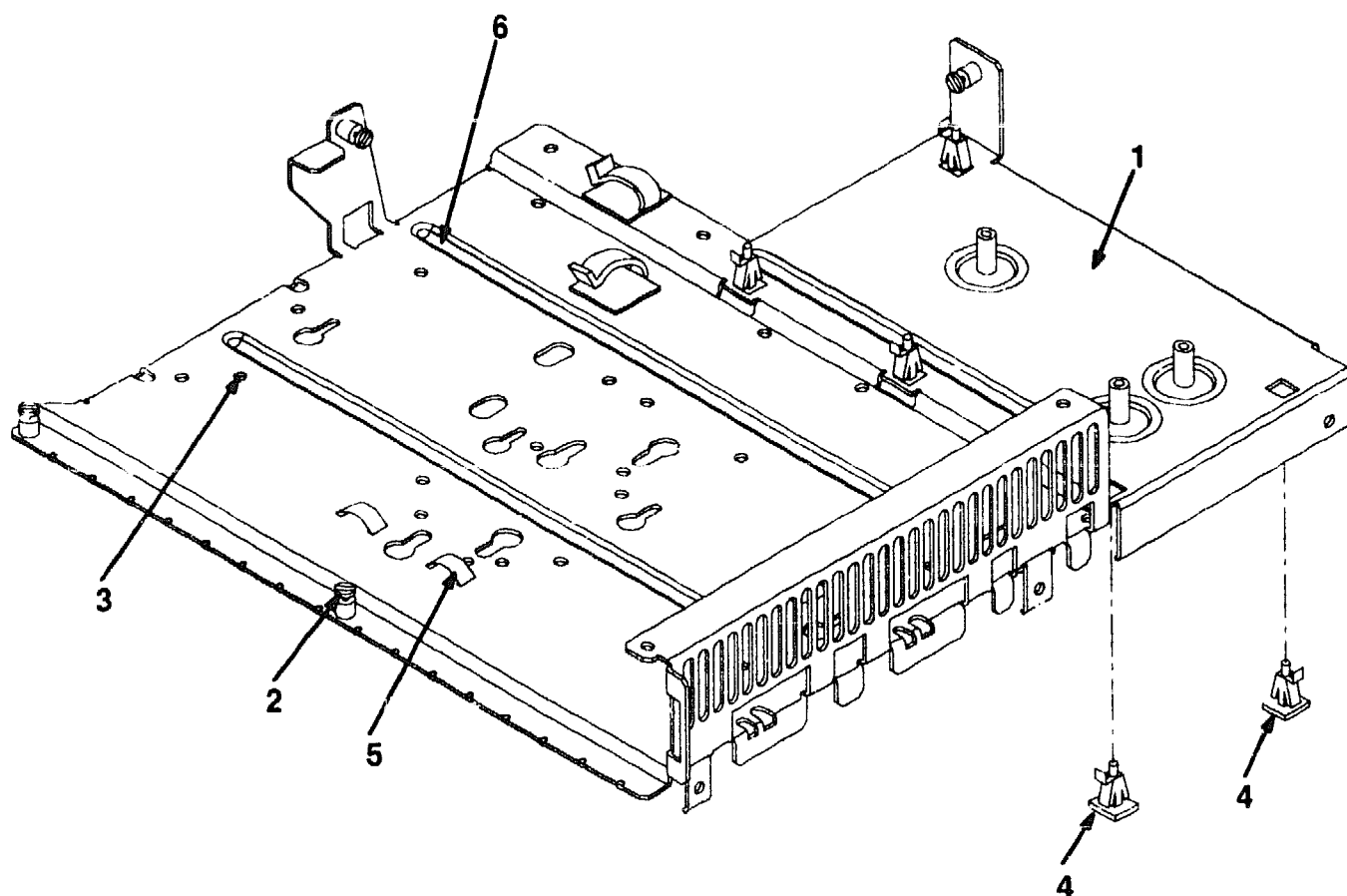


5100-02-IL

**Figure 2. Cover Assembly**

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	A ECO CUT-IN 70-27102 00000	USED ON CODE	REF FIG NO.
3-	SHELF ASSEMBLY, DRIVE	70-27102-01			1
1	*Shelf, Drive	74-41317-01			
2	*Screw, Captive Phi No. 6-32	12-14428-06			
3	*Insert, Thread	90-08870-00			
4	*Standoff, Self Clinching	90-10014-00			
5	*Finger, Grounding	12-26922-01			
6	*Support, Lower Shelf	74-41752-01			

INDICATES FRU LEVEL PARTS.

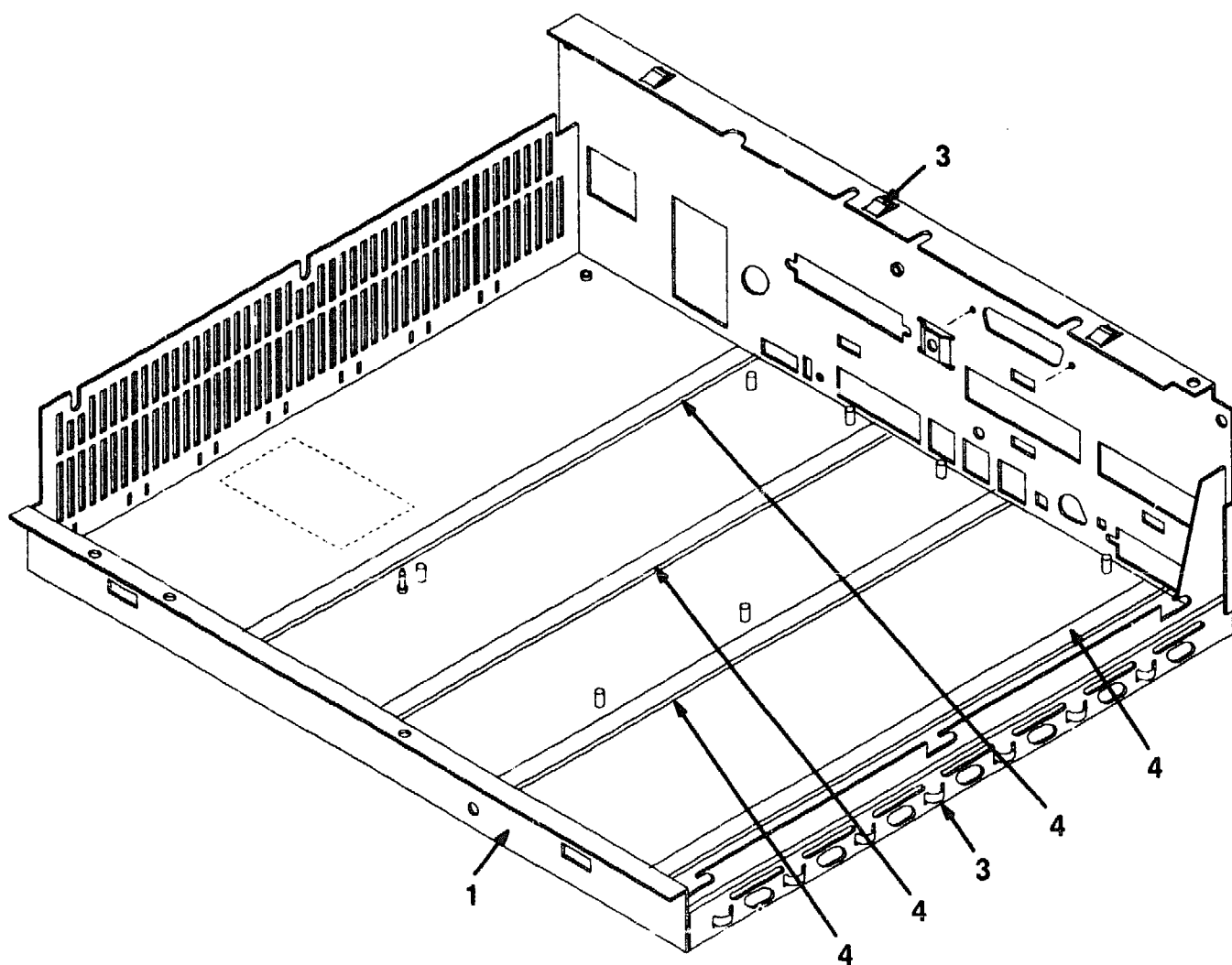


5100-03-IL

**Figure 3. Shelf Assembly, Drive**

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-27103 00000	USED ON CODE	REF FIG NO.
4-	ENCLOSURE ASSEMBLY, BASE	70-27103-01			1
1	*Enclosure, Bottom	74-41318-01			
2	*Bumper (Not Shown) (See Note)	90-10738-01			
3	*Finger, Grounding	12-26922-01			
4	*Tape, Foam	90-09342-03			
NOTE: Use Item 2 In Same Position If Item 4 Is Unavailable.					

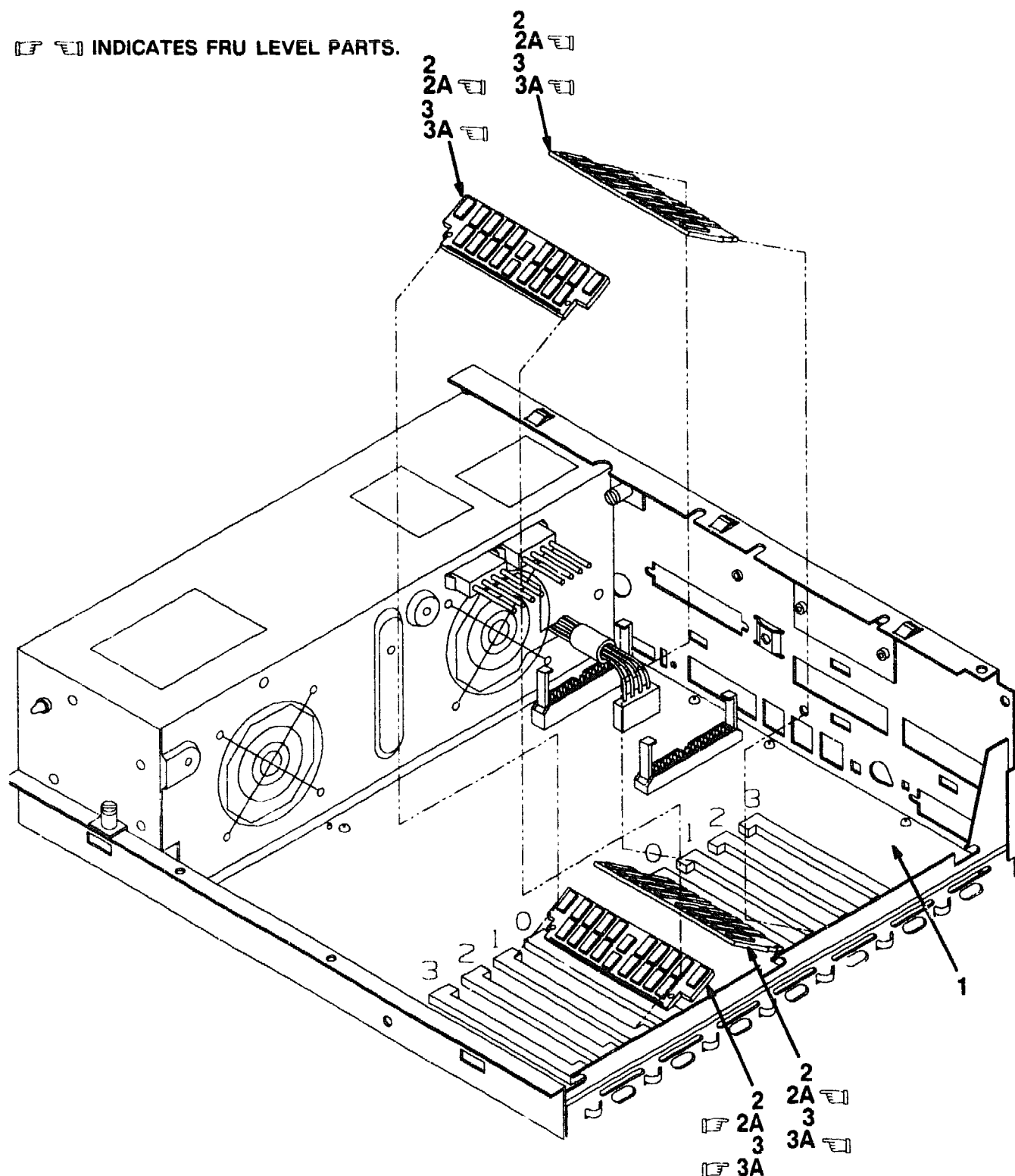
 INDICATES FRU LEVEL PARTS.



5100-04-IL

**Figure 4. Enclosure Assembly, Base**

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5100-05-IL

Figure 5. CPU Assembly

PARTS LIST

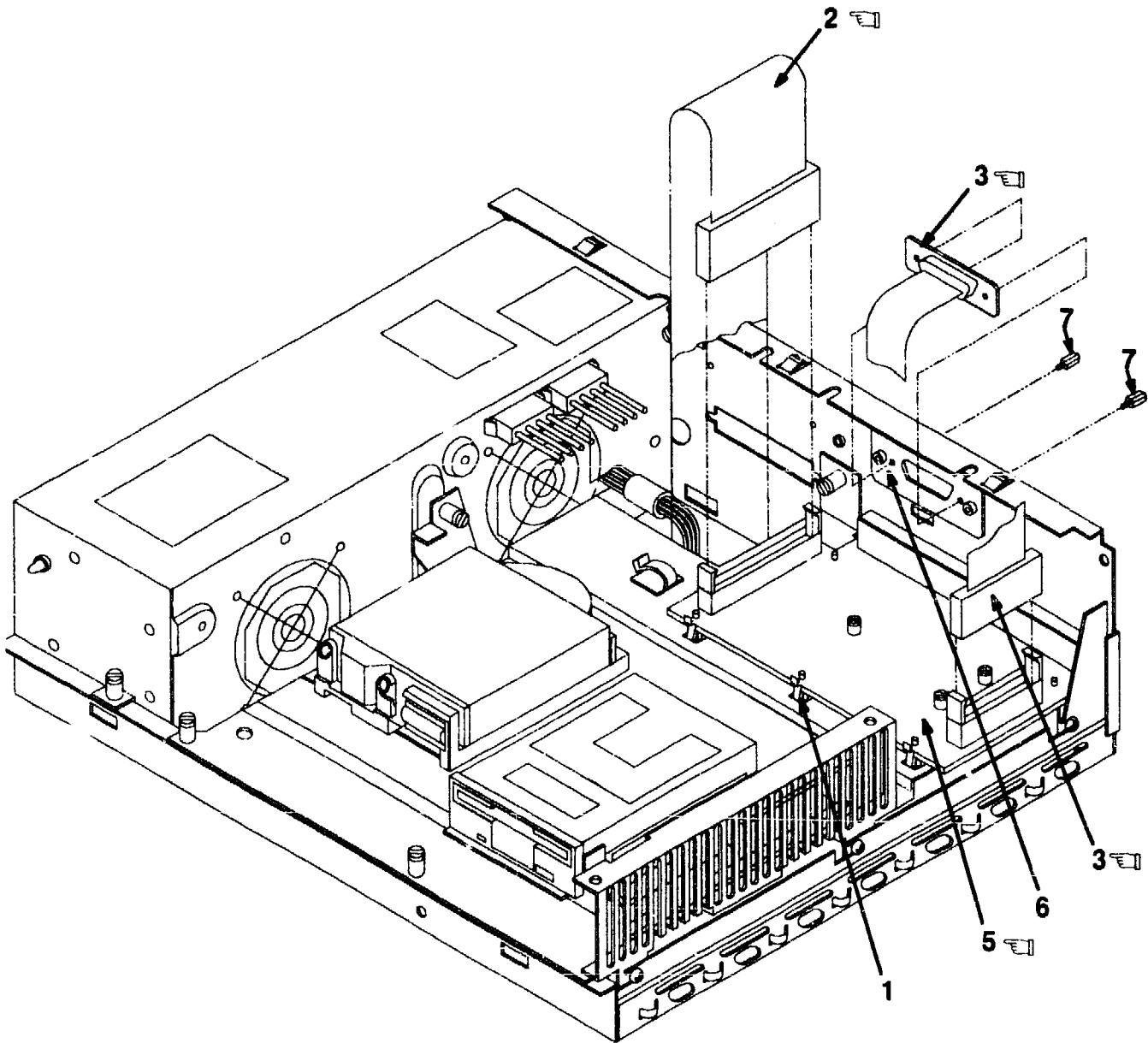
FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-27105 00000	USED ON CODE	REF FIG NO.
5-	CPU ASSEMBLY, 8MB CPU ASSEMBLY, 32MB	70-27105-01 70-27105-02		A B	1 1
1	*Module, Decsystem 5100	54-20424-01			
2	*Module, 8MB Parity Memory Option (See Note)	MS44-BA		A	
2A	Module, 4MB Parity Memory SIMM Array (Part Number 54-19103-AA , Option Number MS44-AA) Is For Customer Services Use Only, Not Part Of This Assembly. (See Note)	54-19103-AA			
3	"Module, 32MB Parity Memory Option (See Note)	MS44-DA		B	
3A	Module, 16MB Parity Memory SIMM Array (Part Number 54-19103-CA , Option Number MS44-CA) Is For Customer Services Use Only, Not Part Of This Assembly. (See Note)	54-19103-CA			
4	*Label, "International, DO NOT EXPOSE" (Not Shown)	36-20560-53			
	Note: When Ordering Memory Upgrades, Two SIMM Arrays Will Be Required. For 8MB, Use Part No. MS44-BA, Which Consists Of Two MS44-AA's. For 32 MB Use Part No. MS44-DA, Which Consists Of Two MS44-CA's.				



# OPTIONS



INDICATES FRU LEVEL PARTS.



5100-06-1L

**Figure 6. DHT80 Assembly (Optional)**

PARTS LIST

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN DHT80 00000	USED ON CODE	REF FIG NO.
6-	DHT80 ASSEMBLY (Optional)	DHT80-AA			
1	*Fastener, Module	12-21586-05			
2	*Cable Assembly, 100 Cond Flat	17-02295-02			
3	*Cable Assembly, 25 Cond Flat Modem	17-02908-01			
4	*Package Assembly (Not Shown)	37-01262-36			
5	*Module, Asynch Distribution Card	54-20428-01			
6	*Adapter, D-Sub	74-41591-01			
7	*Screw Lock, .060	90-08345-12			

# **PART NUMBER/DESCRIPTION INDEX**



# **INDEX BY DEC PART NUMBER** **DECsystem 5100**

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
12-14428-06	Screw, Captive Phi No. 5-32	3	2
12-21249-06	Clip, Wire	1	4
12-21566-05	Fastener, Module	6	1
12-26922-01	Finger, Grounding	4	3
12-26922-01	Finger, Grounding	3	5
12-30552-01	Terminator, SCSI Term 50 Position (H8574-A)	1	5
17-00606-02	Power Cord (Not Shown)	1	6
17-02219-01	Harness Assembly, Wire	1	7
17-02221-02	Cable Assembly, Ribbon	1	48
17-02295-02	Cable Assembly, 100 Cond Flat	6	2
17-02464-01	Cable Assembly, 04 Cond, Round	1	8
17-02907-01	Cable Assembly, 50 Cond, Round	1	9
17-02908-01	Cable Assembly, 25 Cond Flat Modem	6	3
230ZM-A9	230ZM-A9 (32 MB)	1	N/A
230ZM-B9	230ZM-B9 (8 MB)	1	N/A
29-27240-01	Module, RZ23 Drive	1	42
29-28144-01	Module, RZ24 Drive	1	45
29-28145-01	HDA Assembly, RZ24	1	44
36-20560-53	Label, "International, DO NOT EXPOSE" (Not Shown)	5	4
36-28979-01	Label, "Attention Preinstalled Software" (Not Shown)	1	10
36-30422-10	Label, "Postcard FTZ" (Not Shown)	1	11
36-30489-01	Label, "Diagnostic" (Not Shown)	1	12
36-30704-02	Label, "SCSI" (Not Shown)	1	13
36-33714-01	Label, "PTT"	1	14
36-33715-01	Label, "Connector MMJ4-7"	1	15
36-33716-01	Label, "Connector MMJ8-10"	1	16
36-33717-01	Label, "Prod ID"	1	17
36-33719-02	Label, "Regulatory UK"	1	18
36-33806-01	Label, "Rear Bezel Blank"	1	19
37-01106-01	Package Assembly (Not Shown)	1	20
37-01262-36	Package Assembly (Not Shown)	6	4
54-19103-AA	Module, 4 MB Parity Memory SIMM Array	5	2A
54-19103-CA	Module, 16 MB Parity Memory SIMM Array	5	3A
54-19288-01	Module, RX23 FDI	1	47
54-20424-01	Module, DECsystem 5100	5	1
54-20428-01	Module, Asynch Distribution Card	6	5
70-26167-01	COVER ASSEMBLY	1	21
70-26167-01	COVER ASSEMBLY	2	N/A
70-26168-01	Bezel Assembly, Front	2	2
70-26209-01	Kit, Thk/ThinWire Ethernet (Not Shown)	1	22
70-27095-01	Bezel Assembly, Rear	1	23
70-27102-01	SHELF ASSEMBLY, DRIVE	3	N/A
70-27102-01	SHELF ASSEMBLY, DRIVE	1	24
70-27103-01	ENCLOSURE ASSEMBLY, BASE	4	N/A
70-27103-01	ENCLOSURE ASSEMBLY, BASE	1	25
70-26169-01	Weldment, Cover	2	1

**INDEX BY DEC PART NUMBER**  
DECsystem 5100

<b>PART NO.</b>	<b>DESCRIPTION</b>	<b>FIG NO.</b>	<b>ITEM NO.</b>
70-27105-01	CPU ASSEMBLY, 8 MB	1	26
70-27105-01	CPU ASSEMBLY, 8 MB	5	N/A
70-27105-02	CPU ASSEMBLY, 32 MB	1	27
70-27105-02	CPU ASSEMBLY, 32 MB	5	N/A
74-37702-01	Shelf, Upper Drive	1	28
74-38027-01	Insert, Bezel	1	29
74-38973-01	Cover, Dual Synch	1	30
74-38974-01	Cover, Synch/Asynch	1	31
74-38975-01	Cover, Ext SCSI	1	32
74-38986-01	Cover, Synch	1	33
74-41317-01	Shelf, Drive	3	1
74-41318-01	Enclosure, Bottom	4	1
74-41556-01	Medallion, DECsystem 5100	1	35
74-41590-01	Shield, Asynch Port	1	36
74-41591-01	Adapter, D-Sub	6	6
74-41752-01	Support, Lower Shelf	3	6
74-42127-01	Partition, Lower Drive Plate	1	34
90-00038-19	Screw, Phi Pan Hd No. 6-32 x 1/4	1	37
90-08345-12	Screw Lock, .060	6	7
90-08870-00	Insert, Thread	3	3
90-09342-03	Tape, Foam (Not Shown)	4	4
90-09343-00	Screw, Sems Phi Pan Hd No. 4-40 x 3/8	1	38
90-09800-07	Screw, Phi Pan Hd No. 4-40 x 1/4	1	39
90-09984-07	Screw, Sems Phi Pan Hd No. 6-32 x 5/16	1	40
90-10014-00	Standoff, Self Clinching	3	4
90-10411-01	Screw, Phi Flat Hd No. 4-40 x 3/16	2	3
90-10738-01	Bumper	4	2
BC16E-25	Cable Assembly, 25 ft. 6 Cond Oval Data	1	1
DHT80-AA	DHT80 ASSEMBLY (Optional)	6	N/A
H7822-00	Power Supply, PV. Server 120/240, 5.1V 13A	1	2
H8575-A	Connector, 25 Pin Passive Adapter (Not Shown)	1	3
MS44-BA	Module, 8 MB Parity Memory Option	5	2
MS44-DA	Module, 32 MB Parity Memory Option	5	3
N/A	Disk Drive, RZ24	1	43
N/A	DECsystem 5100	1	N/A
RRD42-AA	Drive, RRD42 CD Rom	1	49
RX23-AA	Disk Drive, RX23	1	46
RZ23-E	Disk Drive, RZ23	1	41
TZ30-AX	Tape Drive, TZ30	1	51
TZK10-AA	Tape Drive, TZK10 (QIC)	1	50

# INDEX BY DEC PART DESCRIPTION

## DECsystem 5100

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM NO.
230ZM-A9 (32 MB)	230ZM-A9	1	N/A
230ZM-B9 (8 MB)	230ZM-B9	1	N/A
Adapter, D-Sub	74-41591-01	6	6
Bezel Assembly, Front	70-26168-01	2	2
Bezel Assembly, Rear	70-27095-01	1	23
Bumper	90-10738-01	4	2
Cable Assembly, 04 Cond, Round	17-02464-01	1	8
Cable Assembly, 100 Cond Flat	17-02295-02	6	2
Cable Assembly, 25 Cond Flat Modem	17-02908-01	6	3
Cable Assembly, 25 ft. 6 Cond Oval Data	BC16E-25	1	1
Cable Assembly, 50 Cond, Round	17-02907-01	1	9
Cable Assembly, Ribbon	17-02221-02	1	48
Clip, Wire	12-21249-06	1	4
Connector, 25 Pin Passive Adapter (Not Shown)	H8575-A	1	3
COVER ASSEMBLY	70-26167-01	1	21
COVER ASSEMBLY	70-26167-01	2	N/A
Cover, Dual Synch	74-38973-01	1	30
Cover, Ext SCSI	74-38975-01	1	32
Cover, Synch	74-38986-01	1	33
Cover, Synch/Asynch	74-38974-01	1	31
CPU ASSEMBLY, 32 MB	70-27105-02	1	27
CPU ASSEMBLY, 32 MB	70-27105-02	5	N/A
CPU ASSEMBLY, 8 MB	70-27105-01	1	26
CPU ASSEMBLY, 8 MB	70-27105-01	5	N/A
DECsystem 5100	N/A	1	N/A
DHT80 ASSEMBLY (Optional)	DHT80-AA	6	N/A
Disk Drive, RX23	RX23-AA	1	46
Disk Drive, RZ23	RZ23-E	1	41
Disk Drive, RZ24	N/A	1	43
Drive, RRD42 CD Rom	RRD42-AA	1	49
ENCLOSURE ASSEMBLY, BASE	70-27103-01	4	N/A
ENCLOSURE ASSEMBLY, CASE	70-27103-01	1	25
Enclosure, Bottom	74-41318-01	4	1
Fastener, Module	12-21566-05	6	1
Finger, Grounding	12-26922-01	4	3
Finger, Grounding	12-26922-01	3	5
Harness Assembly, Wire	17-02219-01	1	7
Insert, Bezel	74-38027-01	1	29
Insert, Thread	90-08870-00	3	3
Kit, Thk/ThinWire Ethernet (Not Shown)	70-26209-01	1	22
Label, "Attention Preinstalled Software" (Not Shown)	36-28979-01	1	10
HDA Assembly, RZ24	29-28145-01	1	44

# **INDEX BY DEC PART DESCRIPTION** **DECsystem 5100**

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM NO.
Label, "Connector MMJ4-7"	36-33715-01	1	15
Label, "Connector MMJ8-10"	36-33716-01	1	16
Label, "Diagnostic" (Not Shown)	36-30489-01	1	12
Label, "International, DO NOT EXPOSE" (Not Shown)	36-20560-53	5	4
Label, "Postcard FTZ" (Not Shown)	36-30422-10	1	11
Label, "Prod ID"	36-33717-01	1	17
Label, "PTT"	36-33714-01	1	14
Label, "Rear Bezel Blank"	36-33806-01	1	19
Label, "Regulatory UK"	36-33719-02	1	18
Label, "SCSI" (Not Shown)	36-30704-02	1	13
Medallion, DECsystem 5100	74-41556-01	1	35
Module, 16 MB Parity Memory SIMM Array	54-19103-CA	5	3A
Module, 32 MB Parity Memory Option	MS44-DA	5	3
Module, 4 MB Parity Memory SIMM Array	54-19103-AA	5	2A
Module, 8 MB Parity Memory Option	MS44-BA	5	2
Module, Asynch Distribution Card	54-20428-01	6	5
Module, DECsystem 5100	54-20424-01	5	1
Module, RX23 FDI	54-19288-01	1	47
Module, RZ23 Drive	29-27240-01	1	42
Module, RZ24 Drive	29-28144-01	1	45
Package Assembly (Not Shown)	37-01106-01	1	20
Package Assembly (Not Shown)	37-01262-36	6	4
Partition, Lower Drive Plate	74-42127-01	1	34
Power Cord (Not Shown)	17-00606-02	1	6
Power Supply, PV. Server 120/240, 5.1V 13A	H7822-00	1	2
Screw Lock, .060	90-08345-12	6	7
Screw, Sems Phi Pan Hd No.6-32 x 5/16	90-09984-07	1	40
Screw, Captive Phi No. 6-32	12-14428-06	3	2
Screw, Phi Flat Hd No. 4-40 x 3/16	90-10411-01	2	3
Screw, Phi Pan Hd No. 4-40 x 1/4	90-09800-07	1	39
Screw, Phi Pan Hd No. 6-32 x 1/4	90-00038-19	1	37
Screw, Sems Phi Pan Hd No. 4-40 x 3/8	90-09643-00	1	38
SHELF ASSEMBLY, DRIVE	70-27102-01	1	24
SHELF ASSEMBLY, DRIVE	70-27102-01	3	N/A
Shelf, Drive	74-41317-01	3	1
Shelf, Upper Drive	74-37702-01	1	28
Shield, Asynch Port	74-41590-01	1	36
Standoff, Self Clinching	90-10014-00	3	4
Support, Lower Shelf	74-41752-01	3	6
Tape Drive, TZ30	TZ30-AX	1	51
Tape Drive, TZK10 (QIC)	TZK10-AA	1	50
Tape, Foam (Not Shown)	90-09342-03	4	4
Terminator, SCSI Term 50 Position (H8574-A)	12-30552-01	1	5
Weldment, Cover	70-26169-01	2	1